

5 What is claimed is:

1. A bifurcated stent comprising:

 a proximal tubular section;

10 a first distal tubular section, said first distal
tubular section connected to said proximal section by
connector members; and

 a second distal tubular section, said first and
second distal tubular sections welded together at their
proximal ends.

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2. The stent of claim 1 wherein the weld is a spot
weld formed between a dowel and a hole.

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3. The stent of claim 1 wherein the connector members
are continuously placed around the circumference of the
first distal section.

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4. The stent of claim 3 wherein the shape of the
connection is different than the strut shape of the
proximal and distal sections.

5. The stent of claim 3 wherein the connector members
are omega-shaped.

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6. The stent of claim 1 wherein said distal end a
proximal sections are expandable to different diameters.

7. A stent comprising a first cylindrical form and a
second cylindrical form connected thereto;

5 said second cylindrical form placed alongside a wall
portion of the first cylindrical form so that the stent
forms a "Y"-shaped opening through the interior portion of
the stent; and

10 said stent having a welded connection at the
connection between said first and second cylindrical
forms.

15 8. The stent of claim 7 wherein said second cylindrical
form has a smaller interior diameter than said first
cylindrical form.

20 9. The stent of claim 7 wherein said welded connection
is accomplished around the entire circumference of said
second cylindrical form.

25 10. A stent comprising a first cylindrical form and a
second cylindrical form connected thereto;

 said second cylindrical form placed alongside a wall
portion of the first cylindrical form so that the stent
forms a "Y"-shaped opening through the interior portion of
the stent; said stent having a welded connection at the
connection between said first and second cylindrical
forms; and

30 wherein said welded connection is accomplished around
the entire circumference of said second cylindrical form.

11. The stent of claim 10 wherein said stent is sized to
fit within a bifurcated lumen.

5 12. The stent of claim 10 wherein said stent is balloon expandable.

10 13. The stent of claim 10 wherein said stent has a first cylindrical form with an opening formed in the wall of said cylindrical form, and said opening generally corresponding to the circumference of said second cylindrical form.

15 14. A stent comprising a first cylindrical form and a second cylindrical form connected thereto;

 said second cylindrical form placed alongside a wall portion of the first cylindrical form so that the stent forms a "Y"-shaped opening through the interior portion of the stent; and said stent having a welded connection at the connection between said first and second cylindrical forms; and

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 wherein said stent has a first cylindrical form with an opening formed in the wall of said cylindrical form, and said opening generally corresponding to the circumference of said second cylindrical form.

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15. A bifurcated stent comprising:

 a proximal tubular section;

 a first distal tubular section, said first distal tubular section connected to said proximal section by connector members; and

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 a second distal tubular section, said first and second distal tubular sections attached together at their proximal ends by a ball in socket joint.

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16. A bifurcated stent comprising:

a proximal tubular section;

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a first distal tubular section, said first distal tubular section connected to said proximal section by connector members; and

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a second distal tubular section, said first and second distal tubular sections attached together at their proximal ends by a plurality of flexible hooks.